

9/29/04

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal612rxd

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 Jul 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS
NEWS 4 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
fields
NEWS 5 AUG 02 CAplus and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 6 AUG 02 The Analysis Edition of STN Express with Discover!
(Version 7.01 for Windows) now available
NEWS 7 AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 8 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal
status data from INPADOC
NEWS 9 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 10 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 11 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 12 SEP 14 STN Patent Forum to be held October 13, 2004, in Iselin, NJ
NEWS 13 SEP 27 STANDARDS will no longer be available on STN
NEWS 14 SEP 27 SWETSCAN will no longer be available on STN

NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN. Columbus * * * * *

FILE 'HOME' ENTERED AT 15:29:56 ON 29 SEP 2004

=> file registry

10725181

9/29/04

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:30:04 ON 29 SEP 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 SEP 2004 HIGHEST RN 753424-73-6

DICTIONARY FILE UPDATES: 28 SEP 2004 HIGHEST RN 753424-73-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

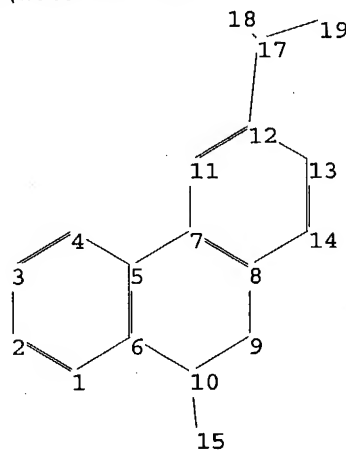
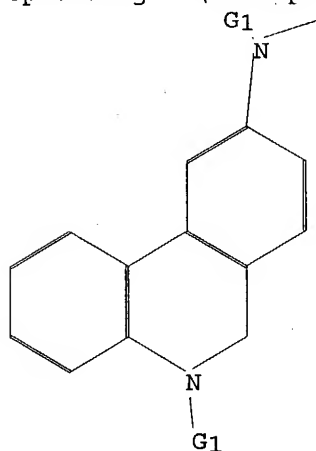
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10690738.str



chain nodes :

15 17 18 19

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14

chain bonds :

10-15 12-17 17-18 17-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-14 9-10 11-12 12-13 13-14

exact/norm bonds :

5-7 6-10 8-9 9-10 10-15 12-17 17-18 17-19

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-14 11-12 12-13 13-14

10725181

9/29/04

G1:H,Ak

Match level :

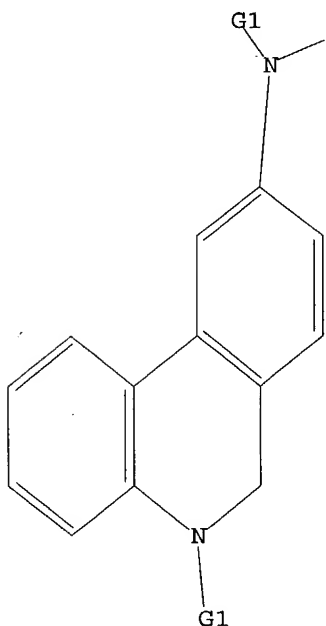
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:30:21 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4570 TO ITERATE

21.9% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 87347 TO 95453
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

10725181

9/29/04

=> s l1 ful

FULL SEARCH INITIATED 15:30:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 93224 TO ITERATE

100.0% PROCESSED 93224 ITERATIONS
SEARCH TIME: 00.00.02

29 ANSWERS

L3 29 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 15:30:31 ON 29 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 29 Sep 2004 VOL 141 ISS 14
FILE LAST UPDATED: 28 Sep 2004 (20040928/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

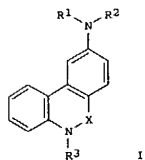
L4 8 L3

=> d abs bib hitstr 1-8

10725181

9/29/04

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
GI



AB The title NPY-5 receptor antagonists I (R¹ = H, alkyl; R² = H, C(O)R⁴, C(O)(CH₂)_nR⁵, (CH₂)_mR⁶ (wherein R⁴ = alkyl, haloalkyl; R⁵, R⁶ = NH(alkyl), N(alkyl)₂, pyridinyl, hydroxyalkyl, Ph, piperidinyl; n = 0-2; m = 0-3);

R³ = alkyl; X = carbonyl, methylene), were prepared E.g., a 5-step synthesis of I (R¹, R² = H; R³ = Et; X = C(O)), starting from

2-iodo-4-nitrotoluene, was described. The biol. data (K_i) for representative compds. I were given. Methods and pharmaceutical compns. useful for treating diseases, conditions and/or disorders modulated by the above NPY-5 receptor antagonists I are also provided.

2004:513333 CAPLUS

141:71462

TI Preparation of 9-aminophenanthridin-6-ones as NPY-5 antagonists

IN Hammond, Marlyse

PA Pfizer Inc., USA

SO U.S. Pat. Appl. Publ., 24 pp.

CODEN: USXXCO

DT Patent

LA English

FAN CHT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004122038	A1	20040624	US 2003-725181	20031201
WO 2004054981	A1	20040701	WO 2003-185839	20031208
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

PRAI US 2002-434374P P 20021218

OS MARPAT 141:71462

IT 596821-91-9P 596821-92-0P 596821-93-1P

596821-94-2P 596821-95-3P 596821-96-4P

711010-29-6P 711010-30-9P 711010-31-0P

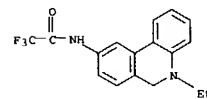
711010-32-1P 711010-33-2P 711010-34-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 9-aminophenanthridin-6-ones as NPY-5 antagonists)

RN 596821-91-9 CAPLUS

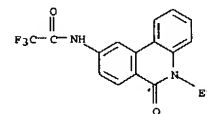
CN Acetamide, N-(5-ethyl-5,6-dihydro-9-phenanthridinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



RN 596821-92-0 CAPLUS

CN Acetamide,

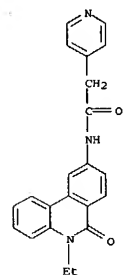
N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



RN 596821-93-1 CAPLUS

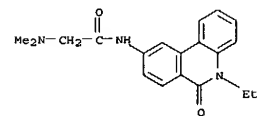
CN 4-Pyridineacetamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



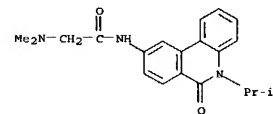
RN 596821-94-2 CAPLUS

CN Acetamide, 2-(dimethylamino)-N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)



RN 596821-95-3 CAPLUS

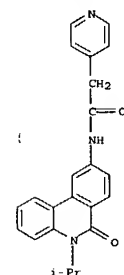
CN Acetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)



RN 596821-96-4 CAPLUS

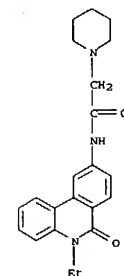
CN 4-Pyridineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 711010-29-6 CAPLUS

CN 1-Piperidineacetamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)



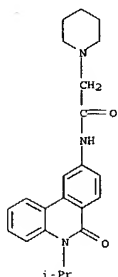
RN 711010-30-9 CAPLUS

CN 1-Piperidineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

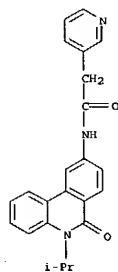
10725181

9/29/04

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 711010-31-0 CAPLUS
CN 3-Pyridineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)



RN 711010-32-1 CAPLUS
CN Propanamide, N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)-2-hydroxy-2-methyl- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
AB Beginning with carbazole, the amide and alkyl substituents were optimized to maintain potency while adding solubilizing groups. Efforts to replace the 3-amino-9-ethylcarbazole core, a known carcinogen, used the structure-activity relationships (SAR) generated in the carbazole series for guidance and led to the synthesis of a number of core-modified analogs.

In addition, an isosteric series, in which the amide was replaced with an imidazole, was prepared. Two potent new series lacking the putative toxicophore were identified from these endeavors.

2003:405934 CAPLUS

DN 139:245867

TI Structure-activity relationships in a series of NPY Y5 antagonists: 3-amido-9-ethylcarbazoles, core-modified analogues and amide isosteres
AU Hammond, Marlys; Elliott, Richard L.; Gillasp, Melissa L.; Hager, David C.; Hank, Richard F.; LaFlamme, Janet A.; Oliver, Robert M.; Da Silva-Jardine, Paul A.; Stevenson, Ralph W.; Mack, Christine M.; Cassella, James V.

CS Department of Cardiovascular and Metabolic Diseases, Pfizer Global Research and Development, Groton, CT, 06340, USA

SO Bioorganic & Medicinal Chemistry Letters (2003), 13(12), 1989-1992
CODEN: BMCLB; ISSN: 0960-894X

PB Elsevier Science B.V.

DT Journal

LA English

OS CASREACT 139:245867

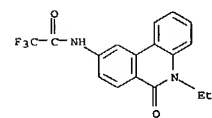
IT 596821-92-0P 596821-93-1P 596821-94-2P

596821-95-3P 596821-96-4P

RI: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(multi-step preparation and structure-activity relationships of amidoethylcarbazoles, core-modified analogs and amide isosteres as NPY Y5 antagonists)

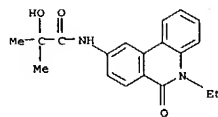
RN 596821-92-0 CAPLUS

CN Acetamide, N-[5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

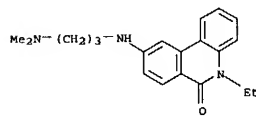


RN 596821-93-1 CAPLUS
CN 4-Pyridineacetamide, N-[5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

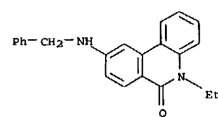
L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



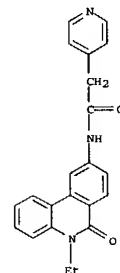
RN 711010-33-2 CAPLUS
CN 6(SH)-Phenanthridinone, 9-[[3-(dimethylamino)propyl]amino]-5-ethyl- (9CI) (CA INDEX NAME)



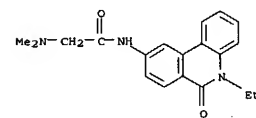
RN 711010-34-3 CAPLUS
CN 6(SH)-Phenanthridinone, 5-ethyl-9-[(phenylmethyl)amino]- (9CI) (CA INDEX NAME)



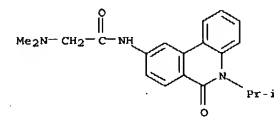
L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 596821-94-2 CAPLUS
CN Acetamide, 2-(dimethylamino)-N-(5-ethyl-5,6-dihydro-6-oxo-9-phenanthridinyl)- (9CI) (CA INDEX NAME)



RN 596821-95-3 CAPLUS
CN Acetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)

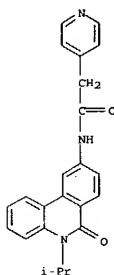


RN 596821-96-4 CAPLUS
CN 4-Pyridineacetamide, N-[5,6-dihydro-5-(1-methylethyl)-6-oxo-9-phenanthridinyl]- (9CI) (CA INDEX NAME)

10725181

9/29/04

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

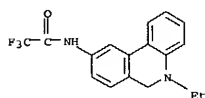


IT 596821-91-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(multi-step preparation and structure-activity relationships of
amidoethylcarbazoles, core-modified analogs and amide isosteres as NPY
Y5 antagonists)

RN 596821-91-9 CAPLUS

CN Acetamide, N-(5-ethyl-5,6-dihydro-9-phenanthridinyl)-2,2,2-trifluoro-
(9CI) (CA INDEX NAME)



RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
G1

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The mutagenic activity of the title compds. (I-VI) was evaluated by the Ames test. Also, the mutagenic activities of these compds. was correlated with descriptors, based on the parameters calculated by Kekule's method.

The utility of the model for predicting the mutagenic activity is discussed.

AN 1995:930780 CAPLUS

DN 124:48052

TI Quantitative relation between the mutagenic activity of heterocyclic analogs of pyrene and phenanthrene and their structure

AU Baskin, I. I.; Lyubimova, I. K.; Abilev, S. K.; Palyulin, V. A.; Zefirov, N. S.

CS Mosk. Gos. Univ., Moscow, Russia

SO Doklady Akademii Nauk (1994), 339(1), 106-8

CODEN: DAKNEQ; ISSN: 0869-5652

PB MAIK Nauka

DT Journal

LA Russian

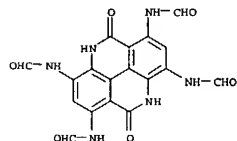
IT 171882-45-4

RL: ADV (Adverse effect, including toxicity); PRP (Properties); BIOL (Biological study)

(MSBAR of mutagenicity of pyrene and phenanthrene heterocyclic analogs)

RN 171882-45-4 CAPLUS

CN Formamide, N,N',N'',N'''-(4,5,9,10-tetrahydro-5,10-dioxopyrido[2,3,4,5-1mm]phenanthridine-1,3,6,8-tetrayl)tetrakis- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

AB The relationship between mutagenic activity and chemical structure was studied for 54 polycyclic compds. using two approaches: multiple linear regression anal. and artificial neural networks. Structural fragments, quantum chemical indexes, and hydrophobicity (octanol-water partition coefficient)

were used as descriptors (properties of the mols. introduced in the model). Both linear regression equations and nonlinear relationships obtained with the help of a neural network were shown to accurately predict mutagenic activity for the compds. structurally similar to those in the training sample. The introduction of exptl. selected descriptors is substantiated to verify the proposed mechanism of related compds. mutagenic activity.

AN 2003:43297 CAPLUS

DN 139:113007

TI Computer-aided prediction of the mutagenic activity of substituted polycyclic compounds

AU Lyubimova, I. K.; Abilev, S. K.; Gal'beretam, N. M.; Baskin, I. I.;

Palyulin, V. A.; Zefirov, N. S.

CS Vavilov Institute of General Genetics, Russian Academy of Sciences, Moscow, 117809, Russia

SO Biology Bulletin (Moscow, Russian Federation (Translation of Izvestiya Rossiiskoi Akademii Nauk, Seriya Biologicheskaya)) (2001), 28(2), 139-145

CODEN: BBULFM

PB MAIK Nauka/Interperiodica Publishing

DT Journal

LA English

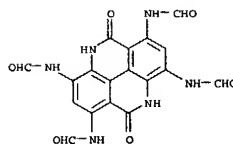
IT 171882-45-4

RL: ADV (Adverse effect, including toxicity); POL (Pollutant); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)

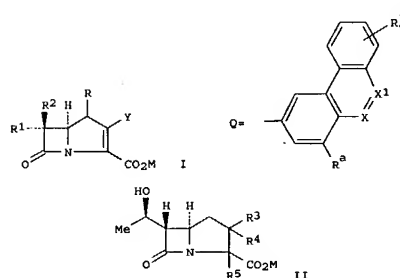
(computer-aided prediction of the mutagenic activity of substituted polycyclic compds.)

RN 171882-45-4 CAPLUS

CN Formamide, N,N',N'',N'''-(4,5,9,10-tetrahydro-5,10-dioxopyrido[2,3,4,5-1mm]phenanthridine-1,3,6,8-tetrayl)tetrakis- (9CI) (CA INDEX NAME)



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
G1

AB Title compds. [I; M = H, alkali metal, neg. charge, etc.; ; R = H, Me; R1,R2 = H, Me, Et, CH2OH, MeCH(OH), etc.; ; Y = phenanthridinyl group Q; 1 of Ra = H and the others = H, CF3, halo, (un)substituted alkoxy; 1 of X,X1 = N-Rdm and the other = CRc; Rc = H, (un)substituted alkyl(oxy),

NH2, etc.; ; Rd = H, NH2, O-, alkyl, etc.; ; m = 0 or 1] were prepared as antibacterial agents (no data). Thus, oxopenamcarboxylate II [M = CH2C6H4(NO2)-4, R3R4 = O, R5 = H] was condensed with Me3SnQ CF3SO3- (Ra = H, X = N-Me, X1 = CH) and the product hydrogenolized to give II (M = neg. charge, R3 = O, R4R5 = bond, Ra = H, X = N-Me, X1 = CH).

AN 1995:416192 CAPLUS

DN 122:187249

TI Preparation of 2-phenanthridinylcarbenes as antibacterial agents

IN Dininno, Frank P.; Greenlee, Mark L.; Rano, Thomas A.; Lee, Wendy

PA Merck and Co., Inc., USA

SO PCT Int. Appl., 115 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

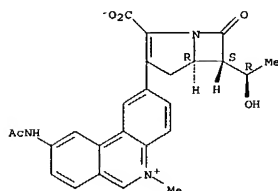
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9417066	A1	19940804	WO 1994-US85	19940103
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, LV, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, UZ				
RW: AT, BE, CH, DE, DK, ES, FR, GR, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5336674	A	19940809	US 1993-9626	19930127
CA 2154276	AA	19940804	CA 1994-2154276	19940103
AU 9459902	A1	19940815	AU 1994-59902	19940103
EP 682666	A1	19951122	EP 1994-906014	19940103

10725181

9/29/04

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE
 JP 08505874 T2 19960625 JP 1994-517039 19940103
 PRAI US 1993-9626 19930127
 WO 1994-US85 19940103
 OS MARPAT 122:187249
 IT 161546-86-7P 161548-65-8P
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of phenanthridinylcarbenams as antibacterial agents)
 RN 161546-86-7 CAPLUS
 CN Phenanthridinium,
 9-(acetylamino)-2-[2-carboxy-6-(1-hydroxyethyl)-7-oxo-1-
 azabicyclo[3.2.0]hept-2-en-3-yl]-5-methyl-, inner salt,
 [5R-[5 α ,6 α (R*)]]- (9CI) (CA INDEX NAME)

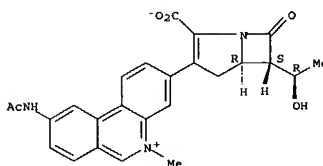
Absolute stereochemistry.



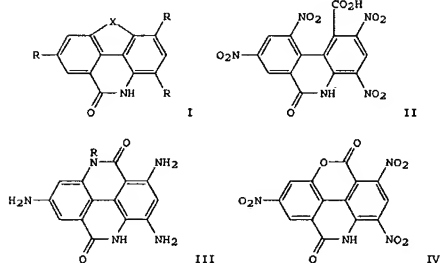
RN 161548-65-8 CAPLUS
 CN Phenanthridinium,
 9-(acetylamino)-3-[2-carboxy-6-(1-hydroxyethyl)-7-oxo-1-
 azabicyclo[3.2.0]hept-2-en-3-yl]-5-methyl-, inner salt,
 [5R-[5 α ,6 α (R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



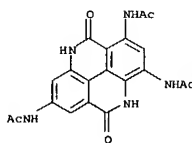
L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
 GI



AB Reduction of nitro compds. I (X = CH₂, CO, CONH; R = NO₂) with Fe gave I
 (R = NH₂). Similar treatment of II gave diazapyrene III (R = H), which was
 acetylated with Ac₂O. II was also treated with SnCl₂ to give III (R =
 OH), which was also acetylated with Ac₂O. Cyclocondensation of II in DMF
 at 150-210° gave oxazapyrene IV, which was reduced with Fe to the
 triamine.

AN 1981:587120 CAPLUS
 DN 95:187120
 TI Synthesis of trinitro- and triamino-substituted tetrahydrodiazapyrene
 phenanthridones and their derivatives
 AU Migachev, G. I.; Terent'ev, A. M.
 CS Nauchno-Issled. Inst. Plast. Mass, Moscow, USSR
 SO Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D. I. Mendeleeva
 (1981), 26(4), 476-8
 CODEN: ZVKOAG; ISSN: 0373-0247
 DT Journal
 LA Russian
 OS CASREACT 95:187120
 IT 79683-92-4
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 79683-92-4 CAPLUS
 CN Acetamide, N,N',N''-(4,5,9,10-tetrahydro-5,10-dioxopyrido[2,3,4,5-
 1lm]phenanthridine-1,3,7-triyl)tria- (9CI) (CA INDEX NAME)

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



10725181

9/29/04

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

GI For diagram(s), see printed CA Issue.

AB I and II are prepared and used as intermediates in the preparation of sensitizers

for Ag halide emulsions. Thus, a mixture of 40 g. thiophene, 34 ml. 48% HBr, and 50 ml. 37% H₂CO is agitated 0.5 hr. at 5-100° to give α-thienylmethyl bromide (III), b.p. 65-90°. A mixture of 4 ml. III and 5 ml. 2,4-dimethylthiazole is kept overnight to give tan, crystalline

I. Similarly prepared is white crystalline II. A mixture of 1.0 g. I, 1.3 g. 2-(β-acetanilidovinyl)-3-ethyl-5,6-dimethylbenzoxazolium iodide, and 20 ml. iso-PrOH is refluxed, 1 ml. Et₃N is added, and the mixture is refluxed until complete dissoln. and allowed to cool to room temperature to give

3-ethyl-4',5,6-trimethyl-3-(α-thienylmethyl)oxathiazolocarboxyanine iodide, m. 220-3° (MeOH), λ_{max} 524 mμ. Similarly prepared are (m.p. given): 3,3'-bis(α-thienylmethyl)thiacarboxyanine bromide, 220-3° (MeOH); 9-ethyl-3-methyl-3'-(α-thienylmethyl)-4,5-benzothiacarboxyanine iodide, 197-200°; 3,9-diethyl-5-methoxy-3'-(α-thienylmethyl)elenathiacarboxyanine iodide, 195-8°; 5-chloro-3-ethyl-4'-methyl-3'-(α-thienylmethyl)oxathiazolocarboxyanine iodide, 216-18° (MeOH).

AN 1964:455245 CAPLUS

DN 61:55245

OREF 61:9616d-g

TI (α-Thienylmethyl)thiacarboxyanine halide dyes

IN Derbyshire, Henry G.

PA General Aniline & Film Corp.

SO 3 pp.

DT Patent

LA Unavailable

PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 3136772 19640609 US 19570208

IT 106570-26-7, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido-106570-53-0, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido-1-chloro- (preparation of)

RN 106570-26-7 CAPLUS

CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

GI For diagram(s), see printed CA Issue.

AB Dyes of the general formula I are prepared and give fast colors on cotton.

Thus, 1,5-dichloroanthraquinone is converted to 4,8-dichlorobenzanthrone [greenish yellow needles m. 176-8° (PhNO₂)] which is brominated in PhNO₂ to give Bz-1,4-dibromo-8-chlorobenzanthrone (II), yellow needles m. 220-1° and 225-6° (PhNO₂), red-violet in H₂SO₄. Also prepared are (m.p. given): Bz-1-bromo-4,8-dichlorobenzanthrone, 216-17°; Bz-1-bromo-4-(p-toluenesulfonamido)-8-chlorobenzanthrone (III), 248-50° (HCONMe₂); Bz-1-bromo-4-amino-8-chlorobenzanthrone (IV), 272-4° (HCONMe₂); Bz-1-bromo-4-cyano-8-chlorobenzanthrone (V), 320-2°; Bz-1-bromo-4-carboxy-8-chlorobenzanthrone >300°; Bz-1-bromo-8-chlorobenzanthrone-4-carboxylic acid chloride, --; Bz-1-bromo-4-anilino-8-chlorobenzanthrone (VI), 228-9°; Bz-1-bromo-8-chlorobenzanthronyl-4,1'-anthraquinonylimide (VII), --; Bz-1-bromo-4-benzacridone-8-chlorobenzanthrone (VIII), --; Bz-1-bromo-4-(p-chlorophenylsulfonyl)-8-chlorobenzanthrone (IX), 311-13° (PhNO₂); Bz-1-bromo-4-(p-chlorophenylthio)-8-chlorobenzanthrone (X), 225-6° (PhNO₂). A mixture of 5.7 g. VII, 2.3 g. 1-aminoanthraquinone (XII), 0.2 g. Cu(OAc)₂, 5 g. anhydrous K₂CO₃, and

60 g. PhNO₂ is refluxed several hrs. to give a dark red-brown anthrimide. Also prepared are the following anthrimides (reactants given): VI, XII;

VI, 1-amino-5-benzamidoanthraquinone (XIII); VIII, XII; VIII, XIII; V, XII; IX, XII; IX, XIII; III, XII; IV, XII; reaction product of IV and 2-phenyl-4-chloro-6,7-phthaloylquinazoline, XII; IX, 1,5-diaminoanthraquinone; XI, XII; II, X. A mixture of 11 g. anthrimide (from 1 mole II and 2 moles XII), 20 g. KOH, and 35 g. HOCH₂CH₂NH₂ is heated for

3 hrs. at 130° poured into ice, and oxidized with air to give I (R = 1-anthraquinonylamino, R₁ = R₂ = H, R₃ = H or Cl), dark olive, which gives greenish olive shades on cotton from a gray vat and is olive-green in H₂SO₄. Also prepared are the following I (R₂ = R₄ = H, R₃ = H or Cl)

(R, R₁, dye appearance, vat color, shade on cotton, and color of dye in H₂SO₄ given): PhNH, H, olive-green, olive, olive-green, green; PhNH, BzNH, --, olive-green, yellowish olive-green, green; CONH₂, H, --, brown, olive, olive-green; BzNH, H, dark, green, blue-gray, green, green; BzNH, BzNH, olive-green needles, blue, yellow-green, yellowish green; p-MeC₆H₄SO₂NH, H, dark green needles, gray-blue, strong green, green; NH₂, H, dark olive-green, --, strong olive-green, olive-green; A, H, dark olive-green, blue, strong yellowish green, green; BzNH, NH₂, dark olive-green, blue-gray, strong olive-green, bluish green; BzNH,

1-aminoanthraquinone-2-carboxylamino, --, olive, black-brown, green; p-ClC₆H₄S, H, --, reddish blue, olive-green, blue-green; p-ClC₆H₄SO₂, H, --, gray-blue, olive-green,

blue-green; and (same color data given): I (R₁ = R₂ = H, R = R₄ = BzNH, R₃

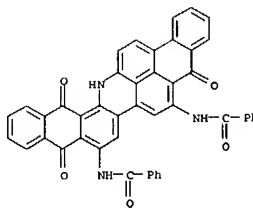
= H or Cl), olive-green needles, --, strong yellow-green, yellowish green; I (R₁ = R₄ = H, R₃ = H or Cl, R = BzNH, R₂ = SO₂NMe₂), --, reddish blue, strong bluish olive-green, blue-green; and (reactants and same color data given): KOH, KOAc, iso-BuOH, anthrimide (from XII and VIII) and oxidation,

--, olive, olive, --; anthrimide (from XII and VIII) and H₂SO₄, brown.

10725181

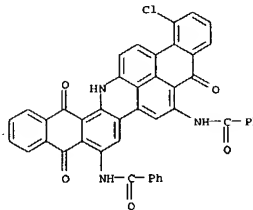
L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

(Continued)



RN 106570-53-0 CAPLUS

CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido-1-chloro- (7CI) (CA INDEX NAME)



L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN

(Continued)

AB red-brown, brown, olive-green; SO₂, AlCl₃, and anthrimide (from VIII and XIII), brown, brown, red-brown, currant.

AN 1964:455244 CAPLUS

DN 61:55244

OREF 61:9615e-h,9616a-d

TI Benzantraquinoneacridine vat dyes

IN Wunderlich, Klaus; Bien, Hans S.; Baumann, Fritz

PA Farbenfabriken Bayer A.-G.

SO 7 pp.

DT Patent

LA Unavailable

PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 3134781 19640526 US

DE 1192149 DE

GB 994216 GB

PRAI DE 19600906

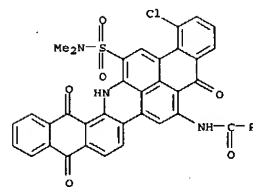
IT 105819-70-3, Anthra[2,1,9-mna]naphth[2,3-h]acridine-17-sulfonamide, 6-benzamido-1-chloro-5,10,15,16-tetrahydro-N,N-dimethyl-5,10,15-trioxo-106042-71-1, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 11-amino-6-benzamido-106042-75-5, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6-benzamido-106042-80-2, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6-benzamido-1-chloro-106546-23-0, 2-Anthramide, 1-amino-N-(6-benzamido-5,10,15,16-tetrahydro-5,10,15-

trioxoanthra[2,1,9-mna]naphth[2,3-h]acridin-11-yl)-9,10-dihydro-9,10-dioxo-

106570-26-7, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido-106570-27-8, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,11-dibenzamido-106570-53-0, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,9-dibenzamido-1-chloro-106570-54-1, Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 6,11-dibenzamido-1-chloro- (preparation of)

RN 105819-70-3 CAPLUS

CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-17-sulfonamide, 6-benzamido-1-chloro-5,10,15,16-tetrahydro-N,N-dimethyl-5,10,15-trioxo- (7CI) (CA INDEX NAME)

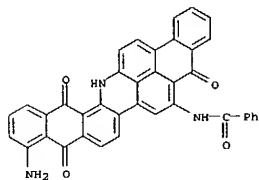


RN 106042-71-1 CAPLUS

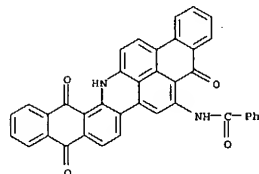
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15-(16H)-trione, 11-amino-6-benzamido- (7CI) (CA INDEX NAME)

9/29/04

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

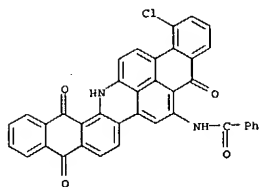


RN 106042-75-5 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6-benzamido- (7CI) (CA INDEX NAME)

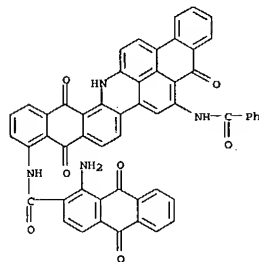


RN 106042-80-2 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6-benzamido-1-chloro- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

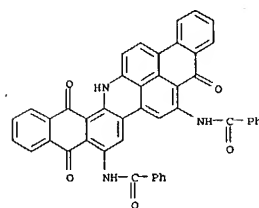


RN 106546-23-0 CAPLUS
CN 2-Anthramide, 1-amino-N-(6-benzamido-5,10,15,16-tetrahydro-5,10,15-trioxoanthra[2,1,9-mna]naphth[2,3-h]acridin-11-yl)-9,10-dihydro-9,10-dioxo- (7CI) (CA INDEX NAME)

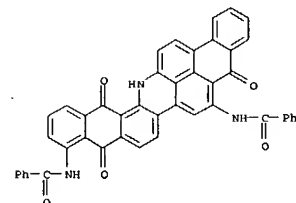


RN 106570-26-7 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,9-dibenzamido- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

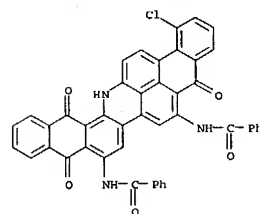


RN 106570-27-8 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,11-dibenzamido- (7CI) (CA INDEX NAME)

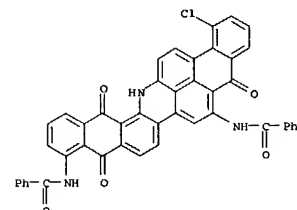


RN 106570-53-0 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,9-dibenzamido-1-chloro- (7CI) (CA INDEX NAME)

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 106570-54-1 CAPLUS
CN Anthra[2,1,9-mna]naphth[2,3-h]acridine-5,10,15(16H)-trione, 6,11-dibenzamido-1-chloro- (7CI) (CA INDEX NAME)



10725181

9/29/04

=> file uspatall

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

39.84

195.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-5.60

-5.60

FILE 'USPATFULL' ENTERED AT 15:32:44 ON 29 SEP 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 15:32:44 ON 29 SEP 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 15:29:56 ON 29 SEP 2004)

FILE 'REGISTRY' ENTERED AT 15:30:04 ON 29 SEP 2004

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 29 S L1 FUL

FILE 'CAPLUS' ENTERED AT 15:30:31 ON 29 SEP 2004

L4 8 S L3

FILE 'USPATFULL, USPAT2' ENTERED AT 15:32:44 ON 29 SEP 2004

=> s l3

L5 2 L3

=> d abs bib fhitr 1-2

9/29/04

L5 ANSWER 1 OF 2 USPATFULL on STN
AB The present invention provides NPY-5 receptor antagonists having a Formula (I) ##STR1##

Methods and pharmaceutical compositions useful for treating diseases, conditions and/or disorders modulated by the above NPY-5 receptor antagonists are also provided.

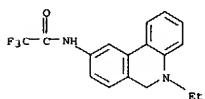
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:159234 USPATFULL
TI NPY-5 antagonists
IN Hammond, Marlys, Blue Bell, PA, UNITED STATES
PA Pfizer Inc (U.S. corporation)
PI US 2004:122038 A1 20040624
AI US 2003:725181 A1 20031201 (10)
PRAI US 2002:434374P 20021218 (60)
DT Utility
FS APPLICATION
LREP PFIZER INC., PATENT DEPARTMENT, MS8260-1611, EASTERN POINT ROAD, GROTON, CT, 06340

CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2041

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 596821-91-99
(preparation of 9-aminophenanthridin-6-ones as NPY-5 antagonists)
RN 596821-91-9 USPATFULL
CN Acetamide, N-(5-ethyl-5,6-dihydro-9-phenanthridinyl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 2 USPATFULL on STN
AB The present invention relates to antibacterial agents of the carbapenem class, in which the 2-position sidechain is characterized by a phenanthridine moiety typically having a substituent attached to the nitrogen of the phenanthridine and substituted at other positions by various neutral substituents. When there is substitution on the nitrogen of the phenanthridine moiety that nitrogen is a charged quaternary nitrogen.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 94:68762 USPATFULL
TI 2-phenanthridinyl carbapenem antibacterial agent
IN Dininno, Frank P., Old Bridge, NJ, United States
Greenlee, Mark L., Rahway, NJ, United States
Rano, Thomas A., Somerville, NJ, United States
Lee, Wendy, Chicago, IL, United States
PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
PI US 5336674 19940809
AI US 1993:9626 19930127 (8)
DCD 20110712
DT Utility
FS Granted

EXNAM Primary Examiner: Cintine, Marianne M.; Assistant Examiner: Cook, Rebecca

LREP Muthard, David A., Daniel, Mark D., DiPrima, Joseph F.

CLMN Number of Claims: 19

ECL Exemplary Claim: 1,18

DRWN No Drawings

LN.CNT 2230

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 161546-86-7P

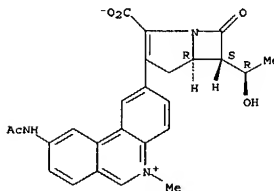
(preparation of phenanthridinylcarbapenems as antibacterial agents)

RN 161546-86-7 USPATFULL

CN Phenanthridinium,

9-(acetylamino)-2-[2-carboxy-6-(1-hydroxyethyl)-7-oxo-1-azabicyclo[3.2.0]hept-2-en-3-yl]-5-methyl-, inner salt, [5R-[5a,6a(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 2 OF 2 USPATFULL on STN (Continued)

9/29/04

=> logoff y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

14.54

210.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-5.60

STN INTERNATIONAL LOGOFF AT 15:33:44 ON 29 SEP 2004

10725181